



[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

☐ [Search Session History](#)

[BROWSE](#)

[SEARCH](#)

[IEEE XPLORE GUIDE](#)

Edit an existing query or
compose a new query in the
Search Query Display.

Tue, 8 May 2007, 7:35:09 PM EST

Search Query Display

Select a search number (#)
to:

- Add a query to the Search Query Display
- Combine search queries using AND, OR, or NOT
- Delete a search
- Run a search

Recent Search Queries

- #1 (((channel* <near/2> estimat* <near/3> error*) <and> ((log <near/2> likelihood* <near/3> ratio*) <or> llr))<in>metadata)
- #2 (((channel* <near/2> estimat* <near/3> error*) <and> ((log <near/2> likelihood* <near/3> ratio*) <or> llr))<in>metadata)
- #3 (((channel* <near/2> estimat* <near/3> error*) <and> ((log <near/2> likelihood* <near/3> ratio*) <or> llr))<in>metadata)

Indexed by
 Inspec®

[Help](#) [Contact Us](#) [Privacy &](#)

© Copyright 2006 IEEE –



Welcome United States Patent and Trademark Office

☐ Search Results[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)Results for "(((channel* <near/2> estimat* <near/3> error*) <and> ((log <near/2> likeliho..." [e-mail](#)

Your search matched 11 of 1566306 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

» Search Options

[View Session History](#)[New Search](#)

Modify Search

(((channel* <near/2> estimat* <near/3> error*) <and> ((log <near/2> likelihood* <nea

☐ Check to search only within this results setDisplay Format: ☒ Citation ☐ Citation & Abstract

» Key

IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

[Select All](#) [Deselect All](#)

- ☐ 1. **Collision mitigation by log-likelihood ratio (LLR) conversion in orthogona multiplexing**
Jae Kyun Kwon; Suwon Park; Sung, D.K.;
[Vehicular Technology, IEEE Transactions on](#)
Volume 55, Issue 2, March 2006 Page(s):709 - 717
Digital Object Identifier 10.1109/TVT.2005.863358
[AbstractPlus](#) | Full Text: [PDF\(296 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 2. **Effects of channel-estimation errors on receiver selection-combining sch Alamouti MIMO systems with BPSK**
Wenyu Li; Beaulieu, N.C.;
[Communications, IEEE Transactions on](#)
Volume 54, Issue 1, Jan. 2006 Page(s):169 - 178
Digital Object Identifier 10.1109/TCOMM.2005.861648
[AbstractPlus](#) | Full Text: [PDF\(456 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 3. **Soft decision metric generation for QAM with channel estimation error**
Wang, M.M.; Weimin Xiao; Brown, T.;
[Communications, IEEE Transactions on](#)
Volume 50, Issue 7, July 2002 Page(s):1058 - 1061
Digital Object Identifier 10.1109/TCOMM.2002.800828
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(282 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 4. **Space-time turbo equalization in frequency-selective MIMO channels**
Abe, T.; Matsumoto, T.;
[Vehicular Technology, IEEE Transactions on](#)
Volume 52, Issue 3, May 2003 Page(s):469 - 475
Digital Object Identifier 10.1109/TVT.2003.813227
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(585 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 5. **On Reliability Metrics for Soft-Input Decoding in Presence of Channel Est**
Benjillali, M.; Szczecinski, L.;
[Vehicular Technology Conference, 2006. VTC 2006-Spring. IEEE 63rd](#)
Volume 5, 2006 Page(s):2548 - 2552

Digital Object Identifier 10.1109/VETECS.2006.1683317

[AbstractPlus](#) | [Full Text: PDF\(1456 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

- ☐ **6. Successive interference cancellation in CDMA systems: log-likelihood ratio**
Sang Wu Kim; Young-Jun Hong;
[Military Communications Conference, 2005. MILCOM 2005. IEEE](#)
17-20 Oct. 2005 Page(s):871 - 875 Vol. 2
Digital Object Identifier 10.1109/MILCOM.2005.1605790
[AbstractPlus](#) | [Full Text: PDF\(1520 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

- ☐ **7. Generalized selection combining with log-likelihood ratio threshold test for reception in ultra-wideband communications**
Xiaoli Chu; Murch, R.D.;
[Vehicular Technology Conference, 2005. VTC 2005-Spring. 2005 IEEE 61st](#)
Volume 2, 30 May-1 June 2005 Page(s):1360 - 1364 Vol. 2
Digital Object Identifier 10.1109/VETECS.2005.1543531
[AbstractPlus](#) | [Full Text: PDF\(2304 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

- ☐ **8. On the performance of a multiuser multiarray COFDM system**
Renoult, A.; Poulliat, C.; Chenu-Tournier, M.; Fijalkow, I.;
[Signal Processing Advances in Wireless Communications, 2004 IEEE 5th Workshop on](#)
11-14 July 2004 Page(s):459 - 463
Digital Object Identifier 10.1109/SPAWC.2004.1439285
[AbstractPlus](#) | [Full Text: PDF\(428 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

- ☐ **9. Antenna array performance with channel estimation errors**
Thompson, J.S.;
[Smart Antennas, 2004. ITG Workshop on](#)
2004 Page(s):75 - 78
Digital Object Identifier 10.1109/WSA.2004.1407651
[AbstractPlus](#) | [Full Text: PDF\(613 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

- ☐ **10. Performance of LDPC based turbo equalization for spatial multiplexing**
Zakoji, T.; Murata, H.; Araki, K.;
[Personal, Indoor and Mobile Radio Communications, 2004. PIMRC 2004. 15th International Symposium on](#)
Volume 2, 5-8 Sept. 2004 Page(s):1404 - 1408 Vol.2
[AbstractPlus](#) | [Full Text: PDF\(359 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

- ☐ **11. Log-likelihood ratio based successive interference cancellation in CDMA**
Sang Wu Kim; Young-Jun Hong;
[Vehicular Technology Conference, 2003. VTC 2003-Spring. The 57th IEEE Se](#)
Volume 4, 22-25 April 2003 Page(s):2390 - 2393 vol.4
Digital Object Identifier 10.1109/VETECS.2003.1208818
[AbstractPlus](#) | [Full Text: PDF\(290 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

WEST Search History

DATE: Tuesday, May 08, 2007

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L1	(channel near2 estimat\$4 near3 error\$) same ((log near2 likelihood near3 ratio) or LLR)	14

END OF SEARCH HISTORY



Welcome United States Patent and Trademark Office

[Search Session History](#)[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)

Edit an existing query or
compose a new query in the
Search Query Display.

Tue, 8 May 2007, 6:04:07 PM EST

Search Query Display



Select a search number (#)
to:

- Add a query to the Search Query Display
- Combine search queries using AND, OR, or NOT
- Delete a search
- Run a search

Recent Search Queries

- #1 (((((log <near/2> likelihood <near/3> ratio*) <or> llr)
<paragraph> (positive <near/4> negative)) <sentence> state*)
<in>metadata)
- #2 (((((log <near/2> likelihood <near/3> ratio*) <or> llr) <sentence>
((positive <near/4> negative) <near/3> state*))<in>metadata)



Indexed by
 Inspec®

[Help](#) [Contact Us](#) [Privacy & :](#)

© Copyright 2006 IEEE –

WEST Search History

DATE: Tuesday, May 08, 2007

Hide?	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L14	(log near2 likelihood near2 ratio\$) and (positive near6 negative near6 state\$)	3
<input type="checkbox"/>	L13	(log near2 likelihood near2 ratio\$) same(positive near5 negative near6 state\$)	1
<input type="checkbox"/>	L12	(log near2 likelihood near2 ratio\$) and(subtract\$3 or deduct\$3) and (positive near5 negative near6 state\$)	3
<input type="checkbox"/>	L11	l6 not l8	25
<input type="checkbox"/>	L10	20020161560	3
<input type="checkbox"/>	L9	2002161560	2
<input type="checkbox"/>	L8	L7 and l6	24
<input type="checkbox"/>	L7	375/341.ccls. or 375/316.ccls. or 375/261.ccls. or 375/340.ccls. or 714/\$4.ccls.	62126
<input type="checkbox"/>	L6	L5 and l3	49
<input type="checkbox"/>	L5	(log near2 likelihood near2 ratio\$) same(subtract\$3 or deduct\$3)	126
<input type="checkbox"/>	L4	L3 and l2	7
<input type="checkbox"/>	L3	@ad<=20020912	23051000
<input type="checkbox"/>	L2	((plural\$3 or multipl\$2) near4 (log near2 likelihood near2 ratio\$)) and (subtract\$3 or deduct\$3)	26
<input type="checkbox"/>	L1	((plural\$3 or multipl\$2) near4 (log near2 likelihood near2 ratio\$)) same (subtract\$3 or deduct\$3)	1

END OF SEARCH HISTORY